

South Shore of the Pen Shoreline Protection and Marsh Creation

Project ID: BA-0041

Project Type: Shoreline Protection

Status: Completed

Estimated Cost: \$17.5 million

Land Benefit: 211 acres

Funding Program: CWPPRA

Federal Sponsor: NRCS

Project Parish: Jefferson

Project Description: Approximately 11,000 feet of concrete rock dike were constructed along the south shore of The Pen and Bayou Dupont. Dedicated dredging was used to create approximately 74 acres of marsh, and nourish an additional 107 acres of marsh, within the triangular area bounded by the south shore of The Pen, the Barataria Bay Waterway (Dupre Cut), and the Creole Gas Pipeline Canal.

Mississippi River Sediment Delivery - Bayou Dupont

Project ID: BA-0039

Project Type: Marsh Creation

Status: Completed

Estimated Cost: \$26.8 million

Land Benefit: 577 acres

Funding Program: CWPPRA

Federal Sponsor: EPA (and NOAA ARRA)

Project Parish: Jefferson, Plaquemines

Project Description: Created/restored 493 acres of brackish marsh by delivering via pipeline dredged material from the Mississippi River to an adjacent area within the Barataria Basin.

Mississippi River Long Distance Sediment Pipeline

Project ID: BA-0043-EB

Project Type: Marsh Creation

Status: Construction

Estimated Cost: \$66.1 million

Land Benefit: 500 acres

Funding Program: State Surplus and CIAP funds

Federal Sponsor: NOAA

Project Parish: Jefferson, Plaquemines

Project Description: The project goals are to use sustainable sediment sources to create and nourish marsh in an area where sediment is limited, create a reusable corridor for future restoration projects, and begin restoration of the Barataria Landbridge. The project will create and nourish approximately 500 acres of marsh.

**PREVIOUS
LONG DISTANCE
SEDIMENT
PIPELINE
DELIVERY**

DREDGE BOAT

**BA-0164 SEDIMENT
PIPELINE**

Terrace creation area

Bayou Dupont Sediment Delivery - Marsh Creation 3

Project ID: BA-0164

Project Type: Marsh Creation

Status: Engineering & Design

Estimated Cost: \$17.1 million

Land Benefit: 138 acres of marsh and 9,679 linear feet of Terrace

Funding Program: CWPPRA/EPA

Project Parish: Jefferson, Plaquemines

Project Description: The primary goal of this project is to create and nourish emergent intermediate marsh using sediment from the Mississippi River. And creation of terraces. The proposed project involves dredging sediment for marsh creation by pumping the sediment via pipeline into an area of open water and broken marsh.

Bayou Dupont Marsh and Ridge Creation

Project ID: BA-0048

Project Type: Marsh Creation

Status: Construction

Estimated Cost: \$37 million

Land Benefit: 390 acres

Funding Program: CWPPRA

Federal Sponsor: NOAA

Project Parish: Jefferson

Project Description: Used sediment from the Mississippi River to create 277 acres of marsh, nourish 93 acres of marsh, create 20 acres (11,000 lf) of ridge and use 3.2 MCY cut and 2.15 MCY fill of sediment.

WEEKS MARINE, INC.



ORIGINAL MISSISSIPPI RIVER SEDIMENT DELIVERY – BAYOU DUPONT (BA-0039)



October 2007



November 2012

Bayou Dupont Sediment Delivery

Marsh Creation 3 - BA-0164

This project is creating and benefiting 138 acres of land
(equivalent to approximately 125+ standard 100-yard American football fields)

Combined with the previously completed projects in this area,
Approximately **1,816 acres of land (1,648 football fields)** have been created or
benefited by using dredged sediment from the Mississippi River



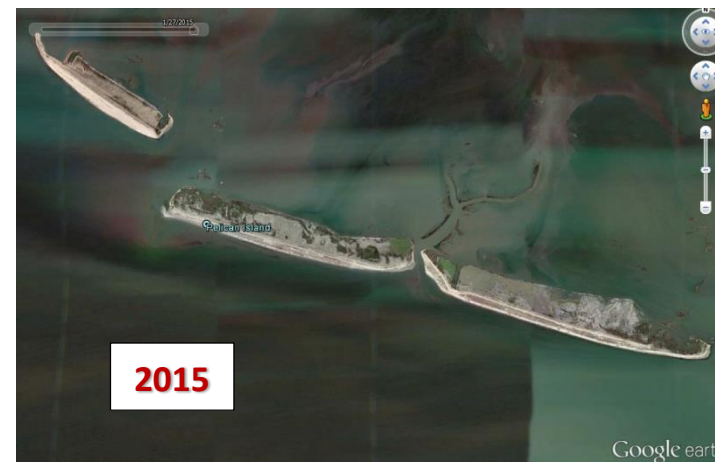
What CPRA has accomplished to date

- \$18 billion secured for protection and restoration projects
- 112.3 million cubic yards of fill placed (or now being placed)
- 30,637 acres of land benefited
- 274 miles of levee improvement
- 52 miles of barrier islands and berms constructed or under construction
- 20 parishes with constructed projects
- 9 active dredges in 2015
- A 2011 Green Jobs Study showed that CPRA restoration spending of \$618 million resulted in 8,900 total jobs and \$1,1 billion in sales

SEDIMENT DELIVERY TO RESTORE BARRIER ISLANDS



2007



2015

